

TECH CENTER 1600/2900

SEP 07 2001

RECEIVED

#9

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/508,054

DATE: 07/27/2001
 TIME: 18:39:39

Input Set : A:\17227156.app
 Output Set: N:\CRF3\07272001\I508054.raw

ENTERED

3 <110> APPLICANT: NG, FRANK MAN-WOON
 4 JIANG, WOEL-JIA
 6 <120> TITLE OF INVENTION: TREATMENT OF OBESITY
 8 <130> FILE REFERENCE: 017227/0156
 10 <140> CURRENT APPLICATION NUMBER: 09/508,054
 11 <141> CURRENT FILING DATE: 2000-04-20
 13 <150> PRIOR APPLICATION NUMBER: PCT/AU98/00724
 14 <151> PRIOR FILING DATE: 1998-09-04
 16 <150> PRIOR APPLICATION NUMBER: AU P09001
 17 <151> PRIOR FILING DATE: 1997-09-08
 19 <150> PRIOR APPLICATION NUMBER: AU PP0398
 20 <151> PRIOR FILING DATE: 1997-11-13
 22 <160> NUMBER OF SEQ ID NOS: 52
 24 <170> SOFTWARE: PatentIn Ver. 2.1
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 15
 28 <212> TYPE: PRT
 29 <213> ORGANISM: Homo sapiens
 31 <400> SEQUENCE: 1
 32 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 33 1 5 10 15
 36 <210> SEQ ID NO: 2
 37 <211> LENGTH: 21
 38 <212> TYPE: PRT
 39 <213> ORGANISM: Homo sapiens
 41 <220> FEATURE:
 42 <221> NAME/KEY: MOD_RES
 43 <222> LOCATION: (1)..(3)
 44 <223> OTHER INFORMATION: Arg, His or Lys and may consist of 0-3 residues
 46 <220> FEATURE:
 47 <221> NAME/KEY: MOD_RES
 48 <222> LOCATION: (19)..(21)
 49 <223> OTHER INFORMATION: Arg, His or Lys and may consist of 0-3 residues
 52 <400> SEQUENCE: 2
 W--> 53 Xaa Xaa Xaa Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys
 54 1 5 10 15
 W--> 56 Gly Phe Xaa Xaa Xaa
 57 20
 60 <210> SEQ ID NO: 3
 61 <211> LENGTH: 15
 62 <212> TYPE: PRT
 63 <213> ORGANISM: Homo sapiens
 65 <400> SEQUENCE: 3
 66 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 67 1 5 10 15
 70 <210> SEQ ID NO: 4
 71 <211> LENGTH: 15

RAW SEQUENCE LISTING

DATE: 07/27/2001

PATENT APPLICATION: US/09/508,054

TIME: 18:39:39

Input Set : A:\17227156.app

Output Set: N:\CRF3\07272001\I508054.raw

```

72 <212> TYPE: PRT
73 <213> ORGANISM: Homo sapiens
75 <400> SEQUENCE: 4
76 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
77   1           5           10           15
80 <210> SEQ ID NO: 5
81 <211> LENGTH: 15
82 <212> TYPE: PRT
83 <213> ORGANISM: Homo sapiens
85 <220> FEATURE:
86 <221> NAME/KEY: MOD_RES
87 <222> LOCATION: (6)
88 <223> OTHER INFORMATION: Cys (Acm)
90 <220> FEATURE:
91 <221> NAME/KEY: MOD_RES
92 <222> LOCATION: (13)
93 <223> OTHER INFORMATION: Cys (Acm)
95 <400> SEQUENCE: 5
96 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
97   1           5           10           15
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 15
102 <212> TYPE: PRT
103 <213> ORGANISM: Homo sapiens
105 <400> SEQUENCE: 6
106 Leu Arg Lys Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
107   1           5           10           15
110 <210> SEQ ID NO: 7
111 <211> LENGTH: 15
112 <212> TYPE: PRT
113 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 7
116 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
117   1           5           10           15
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 15
122 <212> TYPE: PRT
123 <213> ORGANISM: Homo sapiens
125 <400> SEQUENCE: 8
126 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
127   1           5           10           15
130 <210> SEQ ID NO: 9
131 <211> LENGTH: 15
132 <212> TYPE: PRT
133 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 9
136 Leu Arg Ile Val Gln Cys Ala Ser Val Glu Gly Ser Cys Gly Phe
137   1           5           10           15
140 <210> SEQ ID NO: 10

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/508,054

DATE: 07/27/2001

TIME: 18:39:39

Input Set : A:\17227156.app

Output Set: N:\CRF3\07272001\I508054.raw

```

141 <211> LENGTH: 15
142 <212> TYPE: PRT
143 <213> ORGANISM: Homo sapiens
145 <400> SEQUENCE: 10
146 Leu Arg Ile Val Gln Cys Lys Ser Val Glu Gly Ser Cys Gly Phe
147   1           5           10           15
150 <210> SEQ ID NO: 11
151 <211> LENGTH: 15
152 <212> TYPE: PRT
153 <213> ORGANISM: Homo sapiens
155 <220> FEATURE:
156 <223> OTHER INFORMATION: amide bond between position 7 and 10
158 <400> SEQUENCE: 11
159 Leu Arg Ile Val Gln Cys Lys Ser Val Glu Gly Ser Cys Gly Phe
160   1           5           10           15
163 <210> SEQ ID NO: 12
164 <211> LENGTH: 15
165 <212> TYPE: PRT
166 <213> ORGANISM: Homo sapiens
168 <400> SEQUENCE: 12
169 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
170   1           5           10           15
173 <210> SEQ ID NO: 13
174 <211> LENGTH: 15
175 <212> TYPE: PRT
176 <213> ORGANISM: Homo sapiens
178 <220> FEATURE:
179 <221> NAME/KEY: MOD_RES
180 <222> LOCATION: (6)
181 <223> OTHER INFORMATION: Cys (SH)
183 <220> FEATURE:
184 <221> NAME/KEY: MOD_RES
185 <222> LOCATION: (13)
186 <223> OTHER INFORMATION: Cys (SH)
188 <400> SEQUENCE: 13
189 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
190   1           5           10           15
193 <210> SEQ ID NO: 14
194 <211> LENGTH: 15
195 <212> TYPE: PRT
196 <213> ORGANISM: Homo sapiens
198 <220> FEATURE:
199 <221> NAME/KEY: MOD_RES
200 <222> LOCATION: (11)
201 <223> OTHER INFORMATION: D-Ala
203 <220> FEATURE:
204 <221> NAME/KEY: MOD_RES
205 <222> LOCATION: (14)
206 <223> OTHER INFORMATION: D-Ala

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/508,054

DATE: 07/27/2001

TIME: 18:39:39

Input Set : A:\17227156.app

Output Set: N:\CRF3\07272001\I508054.raw

208 <400> SEQUENCE: 14
 209 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Ala Ser Cys Ala Phe
 210 1 5 10 15
 213 <210> SEQ ID NO: 15
 214 <211> LENGTH: 15
 215 <212> TYPE: PRT
 216 <213> ORGANISM: Homo sapiens
 218 <220> FEATURE:
 219 <221> NAME/KEY: MOD_RES
 220 <222> LOCATION: (6)
 221 <223> OTHER INFORMATION: Pen (Penicillamine (B,B'-Dimethyl-Cysteine)
 223 <220> FEATURE:
 224 <221> NAME/KEY: MOD_RES
 225 <222> LOCATION: (13)
 226 <223> OTHER INFORMATION: Pen (Penicillamine (B,B'-Dimethyl-Cysteine)
 228 <400> SEQUENCE: 15
 229 Leu Arg Ile Val Gln Xaa Arg Ser Val Glu Gly Ser Xaa Gly Phe
 230 1 5 10 15
 233 <210> SEQ ID NO: 16
 234 <211> LENGTH: 15
 235 <212> TYPE: PRT
 236 <213> ORGANISM: Homo sapiens
 238 <400> SEQUENCE: 16
 239 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Ala
 240 1 5 10 15
 243 <210> SEQ ID NO: 17
 244 <211> LENGTH: 15
 245 <212> TYPE: PRT
 246 <213> ORGANISM: Homo sapiens
 248 <400> SEQUENCE: 17
 249 Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Ala Phe
 250 1 5 10 15
 253 <210> SEQ ID NO: 18
 254 <211> LENGTH: 15
 255 <212> TYPE: PRT
 256 <213> ORGANISM: Homo sapiens
 258 <400> SEQUENCE: 18
 259 Leu Ala Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 260 1 5 10 15
 263 <210> SEQ ID NO: 19
 264 <211> LENGTH: 16
 265 <212> TYPE: PRT
 266 <213> ORGANISM: Homo sapiens
 268 <400> SEQUENCE: 19
 269 Tyr Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
 270 1 5 10 15
 273 <210> SEQ ID NO: 20
 274 <211> LENGTH: 16
 275 <212> TYPE: PRT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/508,054

DATE: 07/27/2001

TIME: 18:39:39

Input Set : A:\17227156.app

Output Set: N:\CRF3\07272001\I508054.raw

```

276 <213> ORGANISM: Homo sapiens
278 <400> SEQUENCE: 20
279 Lys Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
280   1           5           10           15
283 <210> SEQ ID NO: 21
284 <211> LENGTH: 15
285 <212> TYPE: PRT
286 <213> ORGANISM: Homo sapiens
288 <400> SEQUENCE: 21
289 Leu Lys Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
290   1           5           10           15
293 <210> SEQ ID NO: 22
294 <211> LENGTH: 15
295 <212> TYPE: PRT
296 <213> ORGANISM: Homo sapiens
298 <400> SEQUENCE: 22
299 Ala Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
300   1           5           10           15
303 <210> SEQ ID NO: 23
304 <211> LENGTH: 15
305 <212> TYPE: PRT
306 <213> ORGANISM: Homo sapiens
308 <400> SEQUENCE: 23
309 Leu Arg Ala Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
310   1           5           10           15
313 <210> SEQ ID NO: 24
314 <211> LENGTH: 15
315 <212> TYPE: PRT
316 <213> ORGANISM: Homo sapiens
318 <400> SEQUENCE: 24
319 Leu Arg Ile Ala Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
320   1           5           10           15
323 <210> SEQ ID NO: 25
324 <211> LENGTH: 15
325 <212> TYPE: PRT
326 <213> ORGANISM: Homo sapiens
328 <400> SEQUENCE: 25
329 Leu Arg Ile Val Ala Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
330   1           5           10           15
333 <210> SEQ ID NO: 26
334 <211> LENGTH: 15
335 <212> TYPE: PRT
336 <213> ORGANISM: Homo sapiens
338 <400> SEQUENCE: 26
339 Leu Arg Ile Val Gln Ala Arg Ser Val Glu Gly Ser Cys Gly Phe
340   1           5           10           15
343 <210> SEQ ID NO: 27
344 <211> LENGTH: 15
345 <212> TYPE: PRT

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/508,054

DATE: 07/27/2001

TIME: 18:39:40

Input Set : A:\17227156.app

Output Set: N:\CRF3\07272001\I508054.raw

L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15